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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,193	12/31/2003	Everett B. Lee	42.P18035	2545
8791	7590 09/21/2005		EXAM	INER
	SOKOLOFF TAYLOR & IIRE BOULEVARD	ERDEM,	ERDEM, FAZLI	
SEVENTH FL			ART UNIT	PAPER NUMBER
LOS ANGELI	ES, CA 90025-1030		2826	
			DATE MAR ED. 00/01/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/751,193	LEE, EVERETT B.			
		Examiner	Art Unit			
		Fazli Erdem	2826			
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - Exte after - If the - If NO - Failt Any	MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period we use to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nety filed s will be considered timety. the mailing date of this communication. O (35 U.S.C. § 133).			
Status						
2a) <u></u>	Responsive to communication(s) filed on <u>27 June 2005</u> . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the ments is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)⊠ 6)⊠ 7)□	 ✓ Claim(s) 1-17 and 23-36 is/are pending in the application. ✓ 4a) Of the above claim(s) is/are withdrawn from consideration. ✓ Claim(s) 23-36 is/are allowed. ✓ Claim(s) 1-17 is/are rejected. ✓ Claim(s) is/are objected to. ✓ Claim(s) are subject to restriction and/or election requirement. 					
Applicati	ion Papers					
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Examiner	epted or b) objected to by the E drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment	t(s)					
2) Notic 3) Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e			

DETAILED ACTION

Allowable Subject Matter

1. Claims 23-36 allowed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 12-17 rejected under 35 U.S.C. 103(a) as being unpatentable over Shin et al. (6,495,467) in view of Haskell (5,091,326) further in view of Lee et al. (6,197,639)

Regarding Claims 12-17, Shin et al. disclose a method of fabricating a non-volatile memory device where in claims 11, 18, 27 and 35 and in Fig. 9, interlayer dielectric layer 109, gate stack and active regions F1' are disclosed. Shin et al. fail to disclose the required slot/pattern in interlayer dielectric and the required bit lines. However, Haskett discloses an EPROM element employing self-aligning process where in Fig. 4A, slots 32 are located in oxide 26 to have access to active layers 20 and 22. Claims 11 and 21 of Haskett also disclose the required slot/dielectric configuration. Furthermore, Lee et al. disclose a method for manufacturing NOR-type flash memory device where the required bit lines are disclosed in claims 1, 2, 7 and 9.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required pattern/slot in interlayer dielectric and the

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required bit lines in Shin et al. as taught by Haskell and Lee et al. respectively, in order to have a flash memory device with increased performance.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE

September 15, 2005

SCHY PATENT EXAMINER